



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

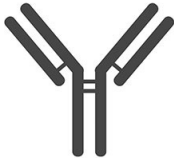
F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Product Number	ARP58060_P050-FITC
Product Page	<a href="http://www.avivasysbio.com/psmd4-antibody-n-terminal-region-fitc-arp58060-p050-fitc.html">www.avivasysbio.com/psmd4-antibody-n-terminal-region-fitc-arp58060-p050-fitc.html</a>
Name	PSMD4 Antibody - N-terminal region : FITC (ARP58060_P050-FITC)
Protein Size (# AA)	377 amino acids
Molecular Weight	41kDa
Subunit	4
Conjugation	FITC: Fluorescein Isothiocyanate
NCBI Gene Id	5710
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Proteasome (prosome, macropain) 26S subunit, non-ATPase, 4
Alias Symbols	AF, ASF, S5A, AF-1, MCB1, Rpn10, pUB-R5
Peptide Sequence	Synthetic peptide located within the following region: <a href="#">VLESTMVCVDNSEYMRNGDFLPTRLQAQQDAVNIVCHSKTRSNPENNVGL</a>
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Elangovan,M., (2007) Biochem Biophys. Res. Commun. 364 (2), 226-230
Description of Target	The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. PSMD4 encodes one of the non-ATPase subunits of the 19S regulator lid. The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes one of the non-ATPase subunits of the 19S regulator lid. Pseudogenes have been identified on chromosomes 10 and 21. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Protein Interactions	UBC; cdc20; XPC; SPRTN; PSMD14; MDM2; PSMC2; PSMA1; ADRM1; UBQLN1; TXNL1; PSMD3; PSMD2; PSMD1; PSMC6; PSMC4; PSMC1; UCHL5; RPS12; PSMD8; UBQLN4; VCP; GJA1; DIO2; SCHIP1; FBXO6; PARK2; UL76; FBXO25; LOC100044627; Gm4705; LOC677113; Rps6-ps4; Rpl34-ps1; Rpl
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for <a href="#">anti-PSMD4 (ARP58060_P050-FITC) antibody</a>
Blocking Peptide	For anti-PSMD4 (ARP58060_P050-FITC) antibody is <a href="#">Catalog # AAP58060</a> (Previous Catalog # AAPP32483)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human PSMD4
Uniprot ID	<a href="#">P55036</a>

<b>Protein Name</b>	26S proteasome non-ATPase regulatory subunit 4
<b>Publications</b>	Ghi, P., Di Brisco, F., Dallorto, D., Osella, M. C. & Orsetti, M. Age-related modifications of egr1 expression and ubiquitin-proteasome components in pet dog hippocampus. Mech. Ageing Dev. 130, 320-7 (2009). <b>WB, Human, Sheep, Zebrafish, Horse, Rabbit, Dog, Rat, Guinea pig, Mouse, Bovine, Yeast</b> <a href="#">19428450</a>
<b>Sample Type Confirmation</b>	PSMD4 is supported by BioGPS gene expression data to be expressed in Jurkat
<b>Protein Accession #</b>	<a href="#">NP_002801</a>
<b>Purification</b>	Affinity Purified
<b>Nucleotide Accession #</b>	<a href="#">NM_002810</a>
<b>Gene Symbol</b>	<a href="#">PSMD4</a>
<b>Predicted Species Reactivity</b>	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Sheep, Yeast, Zebrafish
<b>Application</b>	WB
<b>Predicted Homology Based on Immunogen Sequence</b>	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%; Yeast: 92%; Zebrafish: 100%
<b>Image 1</b>	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.

Optimal conditions of its use should be determined by end users.

---

AVIVA SYSTEMS BIOLOGY

6370 Nancy Ridge Dr., Suite 104, San Diego, CA 92121 USA | Tel: (858)552-6979 | [info@avivasysbio.com](mailto:info@avivasysbio.com)